

Optical Fiber Tool**TECHNICAL DATA SHEET****3 μm Fiber Optic Polishing Film**

3 μ m Fiber Optic Polishing Film

Product Description

The 3 μ m Fiber Optic Polishing Film is a precision lapping film designed for the intermediate polishing of fiber optic connectors. It features high-quality aluminum oxide abrasive particles uniformly coated on a durable polyester film, providing consistent material removal and an excellent surface finish.



This polishing film is suitable for use with standard fiber optic polishing machines and hand polishing fixtures. It is commonly used during the polishing process of SC, FC, ST, LC, MU, MPO/MTP, and other fiber optic connectors with ceramic ferrules.

The 127 mm (5-inch) diameter format is compatible with most industry-standard polishing equipment.

Product Features

- Precision **3 μ m aluminum oxide abrasive**
- Uniform abrasive particle distribution
- Consistent polishing performance
- Excellent surface finish
- Low scratch rate
- Long service life
- High wear resistance
- Suitable for intermediate polishing processes
- Compatible with manual and automatic polishing machines
- Excellent polishing stability

Applications

- Fiber Optic Connector Manufacturing
- Connector Ferrule Polishing
- Factory Production Lines
- Fiber Optic Repair Workshops
- Telecommunications Equipment Manufacturing
- FTTH Component Assembly
- Data Center Fiber Assemblies

Product Specifications

Parameter	Specification
Product Type	Fiber Optic Polishing Film
Abrasive Material	Aluminum Oxide (Al ₂ O ₃)
Abrasive Size	3 μm
Film Diameter	127 mm (5 inch)
Film Color	Pink
Backing Material	Polyester (PET)
Quantity	1 Piece
Surface Finish	Precision Coated
Polishing Stage	Intermediate Polishing

Compatible Connectors

- SC
- LC
- FC
- ST
- MU
- E2000
- MPO/MTP
- SMA
- DIN Connectors

Mechanical Specifications

Item	Specification
Film Shape	Circular
Diameter	127 mm
Backing Material	PET Polyester
Abrasive Coating	Precision Uniform Coating
Wear Resistance	High

Environmental Performance

Parameter	Specification
Operating Temperature	0°C to +50°C
Storage Temperature	-20°C to +60°C
Storage Humidity	<70% RH
Storage Condition	Clean and Dry Environment